



KAVANGO EAST REGIONAL COUNCIL

Request for Quotations for Works

“DRILLING OF A BOREHOLE IN NDIYONA SETTLEMENT”

Procurement Reference No:

Document issued: 07 May 2024

Closing Date and Time: 17 May 2024 at 11H00

Name of Bidder: _____

Contact Number of Bidder: _____

E-mail Address of Bidder: _____

Authorized Representative: _____

Contract Amount : N\$ _____

(From Summary Bill of Quantities, Inclusive of VAT)

*The Head of
Procurement Management Unit
Kavango East Regional Council
E-mail: jkangumber@kavangorc.gov.na
Private Bag 2124
Rundu*

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Fax: +264 65 240 453*



KAVANGO EAST REGIONAL COUNCIL

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Email: msiyemo@kavangorc.gov.na

Private Bag 2124

Rundu

Letter of Invitation

06 May 2024

Dear Prospective bidders

Request for Quotation for Drilling of a Borehole in Ndiyona Settlement – Kavango East Region

The Kavango East Regional Council invites you to submit your best quote for the works described in detail hereunder.

Any resulting contract shall be subject to the terms and conditions referred to in the document.

Queries, if any, should be addressed to Kavango East Regional Council, Mr. Siyemo Manfred. Tel: +264 66 266 000, for administrative issues and Mr Jonas Toloshi Tel: +264 66 266 000 on technical issues.

Please prepare and submit your quotation in accordance with the instructions given or inform the undersigned if you will not be submitting a quotation.

Yours faithfully,

Mr. J M Kangumbe
Head of Procurement Management Unit
Kavango East Regional Council

06/05/2024



BIDDING DOCUMENT

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SECTION I: INSTRUCTIONS TO BIDDERS

1. Rights of Public Entity

The **Kavango East Regional Council** reserves the right:

- (a) to split the contract as per the lowest evaluated cost per lot; and
- (b) to accept or reject any quotation or to cancel the quotation process and reject all quotations at any time before the contract award.

2. Preparation of Quotations

You are requested to quote for the works mentioned in Section III, by completing, signing, and returning:

- (a) the Quotation Letter in Section II with its annexe for Bid Securing Declaration, where applicable;
- (b) the Priced Activity Schedule in Section IV;
- (c) the Specifications and Compliance Sheet in Section V; and
- (d) any other attachment as deemed appropriate

You are advised to carefully read the complete Request for Quotations document, including the Special Conditions of Contract in Section VII, before preparing your Quotation. The standard forms in this document may be retyped for completion but the Bidder is responsible for their accurate reproduction.

3. Validity of Quotations

The quotation validity period shall be **90 days** from the date of the bid submission deadline.

4. Eligibility Criteria

To be eligible to participate in this Quotation exercise, you should:

- (a) **Have a certified Company Registration Certificate;**
- (b) **Have an original valid Good Standing Tax Certificate;**
- (c) **Have an original valid or certified valid copy of Good Standing Social Security Certificate;**
- (d) **Have a valid certified copy of Affirmative Action Compliance Certificate, proof from Employment Equity Commissioner that the bidder is not a relevant employer, or certified copy of exemption issued in terms of Section 42 of the Affirmative Act, 1998;**
- (e) **Have a certified copy of SME Certificate**
- (f) **Submit a signed Bid Securing Declaration**
- (g) **Attach at least two (2) certified copies of practical Completion Certificates of the previously related completed works.**

- **NB: if the work was subcontracted, attach the practical completion certificate of the main contractor and a reference/agreement letter from the main contractor that you were subcontracted.**

- If you constructed a private building, a letter from the village council or town council must be attached.

(h) Attach Certified copy of NORED Certificate

(i) Submit work Program indicating duration and deliverable milestones

The following form part of the eligibility criteria:

- Document to be filled completed with black ink
- All pages of the bidding document must be initialled.
- All correction must be initialled.
- No eraser (Tippex) to be used.
- No correction to the original Bill of Quantities is allowed.
- Use of Government envelop will lead to disqualification.

Bid Security/Bid Securing Declaration

Bidders are required to submit a Bid Securing Declaration for this procurement process.

5. Works Completion Period

The completion period for works shall be **90 calendar days** after acceptance and issue of Purchase Order. Deviation in the completion period shall not be accepted.

6. Sealing and Marking of Quotations

Quotations should be sealed in a single envelope, clearly marked with the Procurement Reference Number, addressed to the Public Entity with the Bidder's name at the back of the envelope.

7. Submission of Quotations

Quotations should be deposited in the Quotation/Bid Box located at **Office No 11** not later than 17 May 2024. Quotations by post or hand delivered should reach Private Bag 2124 Rundu, Maria Mwengere Street by the same date and time at latest. Late quotations will be rejected.

Quotations received by e-mail will not be considered

8. Opening of Quotations

Quotations will be opened internally by the Public Entity immediately after the closing time referred to in section 8 above. A record of the Quotation Opening stating the name of the bidders, the amount quoted, the presence or absence of a Bid Securing Declaration will be posted on the website of the Public Entity and available to any bidder on request within seven calendar days of the Opening.

9. Evaluation of Quotations

The Public Entity shall have the right to request clarifications in writing during evaluation. Substantially responsive offers shall be compared based on evaluated cost,

subject to Margin of Preference where applicable, to determine the lowest evaluated quotation.

10. Technical Compliance

Bidders shall submit along with their quotations documents, catalogues and any other literature to substantiate compliance with the required specifications and to qualify deviations if any with respect to Public Entity's requirements.

The Specifications, Performance Requirements and Compliance Sheet details the minimum specifications of the goods/items to be supplied. The specifications have to be met but no credit will be given for exceeding the specifications.

11. Prices and Currency of Payment

Prices for the execution of works shall be fixed in Namibian Dollars as quoted.

Quotations shall cover all costs of labour, materials, equipment, overheads, profits, and all associated costs for performing the works, and shall include all duties. The whole cost of performing the works shall be included in the items stated, and the cost of any incidental works shall be deemed to be included in the prices quoted.

12. Margin of Preference

Not applicable.

13. Award of Contract

The Bidder having submitted the lowest evaluated responsive quotation and qualified to perform the works shall be selected for award of contract. Award of the contract shall be by the issue of **Letter of Acceptance** by terms and conditions contained in Section VI: Contract Agreement and General Conditions of Contract..

14. Notification of Award and Debriefing

The Public Entity shall after awarding of contract promptly inform all unsuccessful bidders in writing of the name and address of the successful bidder and the contract amount and post a notice of award on its website within 7 days. Furthermore, the Public Entity shall attend to all requests for debriefing made in writing within 7 days of the unsuccessful bidders being informed of the award.

SECTION II: QUOTATION LETTER

(to be completed by Bidders)

[Complete this form with all the requested details and submit it as the first page of your quotation with the Priced Activity Schedule and documents requested above. A signature and authorisation on this form will confirm that the terms and conditions of the RFQ prevail over any attachments. If your quotation is not authorised, it will be rejected]

Quotation addressed to:	
Procurement Reference Number:	
The subject matter of Procurement:	

We offer to execute the Works detailed in the Statement of Requirements, by the terms and conditions stated in your Request for Sealed Quotations referenced above.

We confirm that we are eligible to participate in this Quotation exercise and meet the eligibility criteria specified in Section 1: Instructions to Bidders

We undertake to abide by the Conduct of Bidders and Suppliers as provided under the Public Procurement Act during the procurement process and the execution of any resulting contract.

We declare that the salaries and wages to be paid in respect of this quotation are compliant with the relevant Laws, Remuneration Order and Award where applicable and that we shall abide to clause 52 of the General Conditions of Contract, if we are awarded the contract or part thereof.

We have read and understood the content of the Bid Securing Declaration (BSD) attached hereto and subscribe fully to the terms and conditions contained therein. We further understand that this subscription could lead to **disqualification on the grounds mentioned in the BDS**.

The validity period of our Quotation is _____ from the date of the bid submission deadline.

We confirm that the prices quoted in the Priced Activity Schedule are fixed and firm and will not be subject to revision or variation if we are awarded the contract **before the expiry** date of the quotation validity.

Works will commence within **seven (7) days** from date of issue of the Letter of Acceptance.

Works will be completed within **Sixty (60) days) calendar days** from date of issue of the Letter of Acceptance.

Quotation Authorised by:

Name of Bidder:		Company's Address and seal	
Contact Person:			
Name of Person Authorising the Quotation:		Position:	Signature:
Date		Phone No./E-mail	

Appendix to Quotation Letter - A

BID SECURING DECLARATION

(Section 45 of Act)

(Regulation 37(1)(b) and 37(5))

Date:[Day|month|year].

Procurement Ref No.: W/RFQ-KERC/VAT/001/2024/2025

To: Kavango East Regional Council

I/We* understand that in terms of section 45 of the Act a public entity must include in the bidding document the requirement for a declaration as an alternative form of bid security.

I/We* accept that under section 45 of the Act, I/we* may be suspended or disqualified in the event of

- (a) **a modification or withdrawal of a bid after the deadline for submission of bids during the period of validity;**
- (b) **refusal by a bidder to accept a correction of an error appearing on the face of a bid;**
- (c) **failure to sign a procurement contract by the terms and conditions outlined in the bidding document, should I/We* be successful bidder; or**
- (d) **failure to provide security for the performance of the procurement contract if required to do so by the bidding document.**

I/We* understand this bid securing declaration ceases to be valid if I am/We are* not the successful Bidder

Signed:
[insert signature of the person whose name and capacity are shown]

Capacity of:
[indicate the legal capacity of the person(s) signing the Bid Securing Declaration]

Name:
[insert complete name of the person signing the Bid Securing Declaration]

Duly authorized to sign the bid for and on behalf of:
[insert complete name of Bidder]

Dated on _____ day of _____
[insert date of signing]

Corporate Seal (where appropriate)

[Note*: In case of a joint venture, the bid securing declaration must be in the name of all partners to the joint venture that submits the bid.]

****delete if not applicable/appropriate***



Republic Of Namibia

Ministry of Labour, Industrial Relations and Employment Creation

Witten undertaking in terms of section 138 of the Labour Act, 2015 and section 50(2)(D) of the Public Procurement Act, 2015

1. EMPLOYERS DETAILS

Company Trade Name:

Registration Number:.....

Vat Number:

Industry/Sector:

Place of Business:

Physical Address:

Tell No:

Fax No:

Email Address:

Postal Address:

Full name of Owner/Accounting Officer:

Email Address:

2. PROCUREMENT DETAILS

Procurement Reference No:

Procurement Description:

.....

Anticipated Contract Duration:

The location where work will be done, goods/services will be delivered:

.....

3. UNDERTAKING

I, owner/representative
of

hereby undertake in writing that my company will at all relevant times comply fully with the relevant provisions of the Labour Act and the Terms and Conditions of Collective Agreements as applicable.

I am fully aware that failure to abide by such shall lead to the action as stipulated in section 138 of the Labour Act, 2007, which include but not limited to the cancellation of the contract/licence/grant/permit or concession.

Signature:

Date:

Seal:.....

Please take note:

1. A labour inspector may conduct unannounced inspections to assess the level of compliance

SECTION III: STATEMENT OF REQUIREMENTS

A. SCOPE OF WORKS, SPECIFICATIONS AND PERFORMANCE REQUIREMENTS

A.1 INTRODUCTION

The project scope of works under this Contract comprises of the construction of Construction of a one bedroom house for a vulnerable elderly person at Bagani village in Mukwe Constituency – Kavango East Region

The full scope of the works required to be carried out under the contract may increase or decrease depending on the budgetary constraints on the project.

A.2 GENERAL DESCRIPTION OF WORKS

The bidder should take note that the general description of the works serves to outline the extent of the works, but does not limit the amount of work, which may be required of the Contractor under this contract and in fulfilment of the project objectives. Holistic reference must be made to Section III: Statement of Requirements (including Scope of Work, Project Specifications and the Bid Drawings) and Section IV: Priced Activity Schedule for a complete description of the works.

A.2.1 GENERAL

The following activities will form part of the Contract:

- a) Site establishment
- b) Site clearance and settings
- c) Construction of a one (1) bedroom house
- d) Clining and finishing.
- e) De-establishment of site

A.3 CONSTRUCTION PROGRAMME

The contract period will be **ninety (90) calendar days** and the contractor's proposed construction programme must reflect this period for construction. The contract period includes all public holidays. The construction programme must include all required work tasks to carry out the works, indicate dependence between tasks as well as the critical path.

The detailed programme must be submitted to the Project Manager for approval within a maximum of 14 days from Notification of Award.

The programme MUST indicate the critical path and any extension of time evaluation will be based on the effect on the critical path. It remains the Contractor's responsibility to mitigate delays at all times.

A.5 SITE FACILITIES AVAILABLE

The Contractor shall make his own arrangements for the supply of water, telecommunications and power required by him for the execution of the works. The Bidder shall allow for the cost of all such arrangements in his bid rates and no additional payment claims for construction water, telecommunications, electrical supply, or sewerage arrangements will be accepted.

Cost incurred in installing water, telecommunications, or electrical supply line from the supply points to the construction camp and/or works shall be for the Contractor's account.

The Contractor will be held responsible for any damages to the supply lines and fittings for the duration of the contract.

A.6 SITE FACILITIES REQUIRED

A.6.1 CONTRACTOR'S SITE SANITARY FACILITIES

The Contractor shall provide and maintain adequate and proper ablution facilities for his site personnel at all times.

Latrines shall be effectively screened from view and maintained in a clean and sanitary condition. The Contractor shall make all the necessary arrangements for the regular removal and emptying of the sanitary pails at his own cost.

If at any time the Contractor fails to observe the previously mentioned conditions and after being notified by the PM, fails to rectify conditions, the PM shall have the right to order such materials and appoint any workers as may be seen necessary to maintain the sanitary facilities as set out above. All related costs will be for the Contractor's account.

A.6.2 PROJECT MANAGER'S SITE OFFICE AND ASSOCIATED FACILITIES

The PM will not require a site office for this contract. The Contractor will however ensure a well-built and sufficiently ventilated and cooled office is available on site in which to have the monthly progress meetings. This meeting office will have a large boardroom table with sufficient seating for 5 – 10 persons.

A.7 LOCATION OF SITE CAMP AND MATERIALS STORAGE AREA

The Contractor will establish his site camp and material storage area at a location on Site which is approved by the PM and the Employer.

Before occupying the Site for the execution of this Contract, the Contractor shall submit for the PM's approval a proposal for the layout of all his camp and storage areas.

A.8 ACCOMMODATION OF EMPLOYEES

With the exception of a night watchman, employees may not be housed or accommodated on the site of the Works unless otherwise approved by the Employer..

A.9 SAFETY AND SECURITY ON SITE**A.9.1 SECURITY**

It shall be the responsibility of the Contractor to control access to the site during the execution of the Contract to prevent any unauthorised persons from entering the site.

BILL OF QUANTITY FOR DRILLING OF BOREHOLE AT NDIYONA SETTLEMENT

Mud drilling and Test Pumping				Depth 150	(Nominal)
NDIYONA SETTLEMENT				Cost Estimate	
ITEM	DESCRIPTION	UNIT	QTY	RATE per unit	AMOUNT
1	Mobilisation and demobilisation of all equipment, material and personnel				
1.1	Mobilisation to the first borehole	Ls	1		
1.2	Demobilisation from the last borehole	Ls	1		
1.3	Erection & dismantle of rig per site	No.	1		
2	Mud Drilling				
2.1	311 mm / 12 1/4" 0 - 100 m	m	12		
2.2	250 mm / 9 7/8" 0 - 100 m	m	88		
2.3	100 - 200 m	m	50		
3	Steel casing supply, delivery & install of 4.5 mm wall thickness				
3.1	Supply and install 273 mm plain	m	12.3		
4	UPVC casing supply, delivery & install of 9.5 mm wall thickness				
4.1	Supply 165 mm plain	m	100.3		
4.2	Supply 165 mm screen - slot size 1 mm	m	50		
4.3	Install 165 mm	m	150.3		
5	Gravel Pack supply and emplace				
5.1	2 - 3 mm grain size in 40 kg bags (26 lt)	bag	80		
5.2	Emplace gravel pack	bag	80		
6	Emplace backfill	m	70		
7	Grouting / Cementation				
7.1	By tremi-pipe	m ³	1		rate only
7.2	Pressure grouting through casing string	m ³	1		rate only
8	Fit end plugs and caps on casing	No.	1		
9	Development				
9.1	Development with air blown through drill string	hr	8		
10	Pumping Tests				
10.1	Erect and dismantle test pump equipment, installation and removal of a submersible pump	No.	1		

BILL OF QUANTITY FOR DRILLING OF BOREHOLE AT NDIYONA SETTLEMENT

	including rising pipes, layflat and water meter. Pump capacity: 10 m ³ /h with a pumping head of 150 m				
10.2	Short step-drawdown pumping test	hr	4		
10.3	Ground water level recovery measurements	hr	4		
10.4	Constant Discharge test	hr	8		
10.5	Ground water level recovery measurements	hr	8		
10.6	Water quality analysis	No.	1		
11	Inscription of borehole number by suitable means on casing.	No.	1		
12	Completion of Documentation per Borehole	No.	1		
13	Account Works (according to TOR chap. 8 and FIDIC Part 1 chap. 52.4)				
13.9	Travelling of the Water Tanker	km	5		
13.1	Bush clearing	m ²	1		Rate only
13.11	Road building 3 m wide	km	1		Rate only
13.12	Standing time of drilling crew/rig per day	day	1		Rate only
	DESCRIPTION			AMOUNT N\$	
	Subtotal of Item 1: Mobilisation				
	Subtotal of Item 2: Mud drilling				
	Subtotal of Item 3 :Steel casing supply, delivery, install & retrieve				
	Subtotal of Item 4: UPVC casing supply, delivery, install & retrieve				
	Subtotal of Item 5: Gravel Pack				
	Subtotal of Item 6: Backfill supply and emplace				
	Subtotal of Item 7: Grouting / Cementing				
	Subtotal of Item 8: Fit end plugs and caps on casing				
	Subtotal of Item 9: Development of the borehole				
	Subtotal of Item 10: Test Pumping				
	Subtotal of Item 11: Inscription of borehole number				
	Subtotal of Item 12: Completion of documentation				

BILL OF QUANTITY FOR DRILLING OF BOREHOLE AT NDIYONA SETTLEMENT

<div>Subtotal of Item 13: Account Works</div>	Subtotal Item 1 – 13:	
	Contingency 10%	
	VAT 15%	
	GrandTotal:	

INSTALLATION BOQ - NDIYONA



DIRECTORATE OF WATER SUPPLY AND SANITATION COORDINATION

New solar photovoltaic (PV) system installation complete with 2m tank stand for one tanks, one by domestic water tanks, two taps and tap stand. Location 100 km from Rundu.

ESTIMATED TENDER SPECIFICATIONS/SCHEDULE OF QUANTITIES/PRICE				Water Point Number		Region	
						Kavango East	
Location Name		NDIYONA SETTLEMENT		GPS Reading			
Distance from nearest Centre		Rundu 105 km		Condition of Road		Tarred and sandy	
Borehole/Well							
WW Number		Borehole Depth 150m		Number of Pipes		30 GMS PIPES Casing Diameter 165mm	
Installation Depth 90m		Rest Water Level		Pump Water Level		Pumping Yield It will be determined by the results of test pumping	
New Equipment							
Type Equipment		Solar			Pump		
Manufacturer/Model		KA60 Solar Modules/Sunset solar/similar			SQF 3-105		
Item No	Brief Description of Works		Unit of Measure	Quantity	Unit Price N\$	Total Price N\$	
A*	B*		C*	D*	E	F	
1	SITE ESTABLISHMENT						
1.1	site establishment: According to SABS 1200 AA 1986		Sum	1			
1.2	Transport of material to site plus additional transport of miscellaneous item (Transport Rate (excluding VAT) <u>Specify Tonnage of transporter(s):</u>						

INSTALLATION BOQ - NDIYONA

1.2.1	Ton @ km	Km	105		
1.2.2	Ton @ km	Km	105		
1.2.3	Ton @ km	km	105		
1.3	Temporary domestic water supply during construction period	m ³	10		
2	Borehole: Supply all material and construct new borehole block complete with base plate. Base plate to be welded on the borehole steel casing. Refer to drawing number 21/1-4/34R5, 21/1-4/72R1.				
2.1	Labour charges (exl. VAT)				
2.1.1	Artisan	hrs			
2.1.2	Skilled Labour	hrs			
2.1.3	Unskilled Labour	hrs			
2.1.4	Concrete (concrete class 25MPa), 800mmx800mmx800mm, with 19mm aggregated stones).	m ³	0.6		
2.1.5	Borehole base plate assembly as per drawing no. 21/1-4/73R8, mild steel 500mmx500mmx16mm	No	1		
2.1.6	Borehole adaptor plate 300mmx300mmx16mm to suit Solar installation as per drawing no. 21/1-4/73 R8	No	1		
2.1.7	50mm Ø GMS discharge pipe work complete	Sum	1		
2.1.8	GMS union 50mmØ	No	1		
3	Solar: Supply all material and install a new pump, complete with submersible cables, stainless rope (for pump safety), control box, solar panels, solar panel stand and solar panels frame; (Note: The power required should be 2.76kW. Submersible pump should be compatible for (AC/DC).				
3.1	Labour charges (exl.VAT)				
3.1.1	Artisan	hrs			
3.1.2	Skilled Labour	hrs			
3.1.3	Unskilled Labour	hrs			
3.1.4	Manufacture 3m high solar stand complete with base plate (200mmx200mmx8mm thick) with 200mmx16mm anchors) and solar frame (note use 3mmx100mm square tubing or 3mmx100mm round tube Mild	No	1		

INSTALLATION BOQ - NDIYONA

	steel, pipes for legs). Solar should slide in a welded frame for security reasons facing NORTH . Refer to attached drawings No. 17022-C-100				
3.1.5	Concrete blocks for stand (2x700mmx700mmx700mm) ,with 19mm aggregated stones, class 25MPa.	m ³	1		
3.1.6	Anchor concrete blocks 200mmx200mm, with19mm aggregated stones, class 25MPa	m ³	0.35		
3.1.7	Pump: SQF 3-105 (with cooling sleeve)	No	1		
3.1.8	Solar panels to suit power required 2760 watts (2.76 kW)	Sum	1		
3.1.9	Control box	No	1		
3.1.10	Aquavern- Submersible electrical cable 4mm ² 4core, suitable for current drawn down and voltage drop. Cable should be protected against with UV resistant sleeve above ground	M	100		
3.1.11	Ski rope for pump security- 10mm nylon.	M	100		
3.1.12	GMS 50mm Ø 3m long	No	30		
3.1.13	Splicing kit/electrical termination kit, Scotch cast2.5mm ² – 4mm ² 4core complete	No	1		
3.1.14	Cable ties (50mmx6mm)	sum	1		
3.1.15	All required GMS fittings, Accessories and any other additional required items. (All inclusive)	sum	1		
3.1.16	Stabilizer 50mmx150mm	No	6		
4	Tank Stands: Supply all materials and install 2m stands for 1x10m³ tank complete with concrete foundation as per drawing no. 21/1-4/65 R8.				
4.1	Labour charges (exl. VAT)				
4.1.1	Artisan	hrs			

INSTALLATION BOQ - NDIYONA

4.1.2	Skilled Labour	hrs			
4.1.3	Unskilled Labour	hrs			
4.1.4	Concrete Grade 25MPa a strength, with 19mm aggregated stones	m ³	1.4		
4.1.5	2m stands for 1x10m ³ tanks as per drawing no. 21/1-4/65 R8.	No	1		
4.1.6	Fit data and borehole information plate (210mm x 110mm), manufactured from black anodized aluminium. Letter size to be 5mm.	No	1		
4.1.7	Base Plate 150x150mmx8mm Complete with u-shaped round bar welded to 16mm bolts/thread bar and nuts	No	4		
4.1.8	Steel painting, antirust 1 st coat, final coat aluminium industrial paint.	Sum	1		
4.1.9	Re-inforcing steel	Sum	1		
5	Plastic Tanks: Supply all material and install 1 new 10 cubic metres plastic tanks (engrave 300kg) on tank stands complete with all pipe work, fittings, valves, tank strappings. Refer to drawing no. 21/1-4/66R8. All underground steel pipes, fittings and other steel components shall be Denso wrapped				
5.1	Labour charges (exl. VAT)				
5.1.1	Artisan	hrs			
5.1.2	Skilled Labour	hrs			
5.1.3	Unskilled Labour	hrs			
5.1.4	300kg, 12mm thickness, 10 cubic metres tank (engraved with the emblem of water affairs), Made in Namibia	No	1		
5.1.5	50mm Ø GMS Inlet pipe work complete with all fittings	Sum	1		
5.1.6	50mm Ø GMS outlet pipe work complete with all fittings	Sum	1		
5.1.7	Overflow pipe work complete with all fittings (50mm Ø GMS)	Sum	1		
5.1.8	Security brackets for all pipe work	Sum	1		
5.1.9	50mm Ø Cobra gate valve	No	2		
5.1.10	Hold down strapping for tank	Sum	1		

INSTALLATION BOQ - NDIYONA

6	Pipelines: Pipeline from pump to domestic tank on tank stand (5m), from domestic tank to tap point (30m), from overflow pipe to ground (20m)- Supply all material and install 50mm class 10 HDPE 55m pipeline. Complete with all required compression type fittings and valves				
6.1	Labour charges (exl. VAT)				
6.1.1	Artisan	hrs			
6.1.2	Skilled Labour	hrs			
6.1.3	Unskilled Labour	hrs			
6.1.4	50mm class 10 HDPE pipe	m	55m		
6.1.5	50mm GSM pipe	Sum	1		
6.1.6	All required compression type fittings	Sum	1		
6.1.7	All required GMS fittings	Sum	1		
6.1.8	Pipe work security brackets	Sum	1		
6.1.9	400-500mm deep trenches	m	55m		
6.1.10	Back-fill trenches	m	55m		
7	Water Point Solar Street Light: Supply all materials and install 120W Integrated Solar Led street Light at the Water point.				
7.1	Labour charges (exl. VAT)				
7.1.1	Artisan	hrs			
7.1.2	Skilled Labour	hrs			
7.1.3	Unskilled Labour	hrs			
7.1.4	120W Integrated Solar Led Street Light	No	1		
7.1.5	Solar Street Light Bracket	No	1		
7.1.6	9.5m Total High Street Light pole 114/76	No	1		
7.1.7	Concrete Grade 25MPa, with 19mm aggregated stones	m³	0.2		
7.1.8	Accessories and any other additional required items.(All inclusive)	Sum	1		
8	Domestic Tap Stand: Supply all material and install one domestic tap stand complete with GMS pipe work and two taps. Refer to drawing number 21/1-4/43R2				
8.1	Labour charges (exl. VAT)				
8.1.1	Artisan	hrs			
8.1.2	Skilled Labour	hrs			
8.1.3	Unskilled Labour	hrs			
8.1.4	20mm brass bibcock taps	No	2		

INSTALLATION BOQ - NDIYONA

8.1.5	Concrete Grade 25MPa a strength, with 19mm aggregated stones	m ³	0.3		
8.1.6	GMS pipe work	sum	1		
8.1.7	160/110mmØ UPVC pipe	m	1		
8.1.8	40/20mm Ø GMS pipe	m	1		
8.1.9	All required GMS fittings	Sum	1		
9	Domestic Tap Protector: Manufacture and fit tap protector at taps stand as per attached sketch				
9.1	Labour charges (exl. VAT)				
9.1.1	Artisan	hrs			
9.1.2	Skilled Labour	hrs			
9.1.3	Unskilled Labour	hrs			
9.1.4	Angel iron 50mmx50mmx4mm	M	6		
9.1.5	Steel painting, antirust 1 st coat, final coat aluminium industrial paint.	L	2		
10.	Toolkit: Supply tool kit for Solar Water Point Maintenance / Repair. Note, toolkit to be delivered at the Regional Office.				
10.1	Spade, carbon steel	No	1		
10.2	Adjustable Wrench pipe 0mm approx...60mm (Monkey Wrench)	No	1		
10.3	Steel Rake, heavy duty	No	1		
10.4	Squeegee (for cleaning panels)	No	1		
10.5	Wire plier	No	1		
Subtotal					
Contingency 10%					
VAT @ 15 %					
Grand Total					

Bill of Quantities Notes

1. The quantities in the Bill of Quantities are provisional and shall be measured as executed and paid for according to prices in the Bill of Quantities and any unexpended amounts shall be deducted from the amount of the contract sum.
2. The quantities in the Bill of Quantities are not to be used for ordering materials.
3. The Bill of Quantities form part of and must be read in conjunction with the specifications, which document contains the full description of the works to be done and material and equipment to be used and unless otherwise described in the Bill of Quantities, reference should be made to the specification for the full meaning or description of work to be done.
4. No alteration, erasure or addition is to be made in the text of the Bill of Quantities.
5. Should any alteration, or erasure be made, it will not be recognized but the original wording of the Bill of Quantities will be adhered to.
6. The priced Bill of Quantities of the successful tenderer will be checked and the Client reserves the right to call for an adjustment to any individual price and to rectify the discrepancy.
7. Variations in the scope and extent of the work included in the Bill shall be allowed to meet the employer's requirements and shall be measured and cost at rates entered in the Bill, where appropriate, and shall form additions to or deductions from the total of the Bill.
8. Any items or variations for which rates have not been included in the Bill of Quantities shall be agreed and priced as non-scheduled items by the provisions of the contract.
9. The rules covering the extent and costing of the variation shall be those provided for in the General Conditions of Contract.
10. Unless a separate rate for the supply and the installation of any item is specifically called for, the supply and installation cost of any item shall be fully included in the unit price.
11. The description of each item shall, unless otherwise stated herein, be held to include making, conveying and delivering, unloading, storing, unpacking, hoisting, waste, patterns, models and templates, plant, temporary works, return of packing, establishment charges, profit and all other obligations arising out of the conditions of the contract.
12. All fittings and accessories always include the connections thereto.

13. All measurements are nett unless otherwise stated, and Bidders must allow in their rates for wastage.
14. All provisional sums shall be expended as directed by the Engineer and any balance remaining shall be deducted from the amount of the contract sum.

SECTION VI: GENERAL CONDITIONS OF CONTRACT AND CONTRACT AGREEMENT

Any resulting contract shall be placed using a Letter of Acceptance and shall be subject to the General Conditions of Contract (GCC) for the Procurement of Works

SECTION VIII SPECIAL CONDITIONS OF CONTRACT

Procurement Reference Number: **W/RFQ-KERC/VAT/001/2024/2025**

The clause numbers given in the first column correspond to the relevant clause number of the General Conditions of Contract.

GCC Clause Reference	Special Conditions
Employer GCC 1.1(r)	The Employer is the Kavango East Regional Council The name of the authorized representative is: Mr. Jonas Toloshi
Intended Completion Date GCC	The intended completion date is: Sixty (60) calendar after issue of acceptance order.
Site GCC 1.1(aa)	The Site is located at: Address of Site: Ndiyona Settlement – Kavango East Region
Start Date GCC 1.1(dd)	The Start Date shall be: 7 days after receipt of appointment letter or as agreed between Employer and Contractor
The Works GCC 1.1(hh)	The Works consist of: Drilling of a Borehole in Ndiyona Settlement – Kavango East Region
Language and Law GCC 3.1	The language of the contract is English The law that applies to the Contract is the law of Namibia.
Notices GCC 6	Delivery address for notices is: Employer: Contact Ms. Ludgela Nangura. Kavango East Regional Council Private Bag 2124 Maria Mwengere Street, Rundu Namibia

GCC Clause Reference	Special Conditions
	<p>For Contractor, to be advised on Contract award and signing and the contact name shall be:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
Site Date GCC 14.1	<p>The site Data shall be:</p> <p>1. Construction Drawings</p>
Possession of the Site GCC 20.1	<p>The Site Possession Date shall be: 7 Days after the appointment letter</p>
Procedure for Disputes GCC 24	<p>No Adjudicator shall be appointed under the contract and arbitration shall not apply. If any dispute arises between the Employer and the Contractor in connection with or arising out of the Contract, the parties shall seek to resolve any such dispute by amicable agreement. If the parties fail to resolve such dispute by amicable agreement, within 14 days after one party has notified the other in writing of the dispute, then the dispute shall be referred to the court by either party.</p>
Program GCC 25.1	<p>The Contractor shall submit for approval a Program for the Works within 14 days from the date of the Letter of Acceptance.</p>
GCC 25.3	<p>Program updates shall be required.</p>
Defects Liability Period GCC 33.1	<p>The Defects Liability Period is 365 days.</p>
Payments GCC 40	<p>The amount certified by the Project Manager shall be paid in full within 30 days of receipt by the Employer of an invoice, supported by:</p> <p>(a) the payment certificate; and</p> <p>(b) a certificate of completion of the Works.</p>
Price Adjustment GCC 44.	<p>The Contract <i>is not</i> subject to price adjustment by GCC Clause 44, and the following information regarding coefficients <i>does not</i> apply.</p>
Retention GCC 45.	<p>(i) 10% of the amount shall be retained from any payment. Half of the retention money will be released after issuing of the Certificate of Completion and formal taking over of the Works and the remaining shall</p>

GCC Clause Reference	Special Conditions
	be released after the Defect Liability Period subject to the Contractor making good all defects.
Bonus GCC 47.1	N/A
Advance Payment GCC 48.1	(i) No advance payment shall be made.
GCC 56.1	"As-built" drawings or operating <i>are</i> required.
GCC 59.1	The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is 5% .

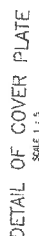
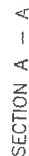
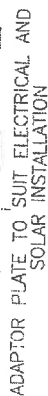
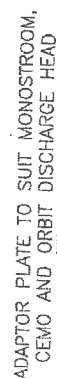
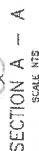
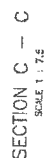
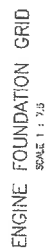
SCHEDULE 2

QUOTATION CHECKLIST SCHEDULE

Procurement Reference No.: W/RFQ-KERC/VAT/001/2024/2025

Description	Attached	Not Attached
Quotation letter with Appendices		
Priced Activity Schedule		
Signed Bid Securing Declaration		
Certified copy of Company Registration Certificate		
Original valid or certified good Standing Tax Certificate		
Original valid or certified good Standing Social Security Certificate		
Signed Bid Securing Declaration		
Valid certified copy of Affirmative Action Compliance Certificate		
Company Profile		

Disclaimer: The list defined above is meant to assist the Bidder in submitting the relevant documents and shall not be a ground for the bidder to justify its non-submission of major documents for its quotation to be responsive. The onus remains on the Bidder to ascertain that it has submitted all the documents that have been requested and are needed for its submission to be complete and responsive.



3. PREPARATION OF STEELWORK FOR PAINTING
(1) REMOVE ANY OIL BY MEANS OF PAINT
THINNER.
(2) REMOVE ANY RUST BY WIRE BRUSHING

4. PAINTING OF STEELWORKS
FOUR COATS OF STEELWORKS (INCLUDING THE TOP OF THE BOREHOLE) CONCRETE SHALL BE COATED TO A DEPTH OF 50MM FROM THE FINAL CONCRETE SURFACE WITH TWO COATS OF HIGH EPOXY PRIMER TO GALS PER SQ. FT. FOLLOWED BY COATS OF INDUSTRIAL ALUMINUM PAINT.

ALL WELDS SHALL BE 6MM CONTINUOUS FILLER WELD.


CONCRETE SHALL BE CLASS 25/10.

THE REINFORCING BARS FOR THE CONCRETE PILING SHALL ONLY BE WIRE ARMATURE IS SPECIFIED.

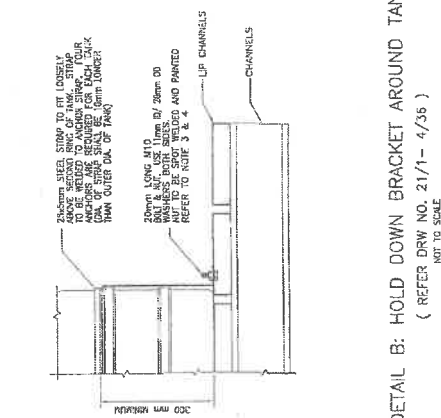
[illegible]

1. THE DRAWINGS TO BE USED IN CONNECTION WITH THIS SPECIFICATION.
2. CONCRETE SHALL BE CLASS 25/19
3. PREPARATION OF STEELWORK AND PAINTING:
3.1. ALL STEELWORK SHALL BE WELDING
3.2. REINFORCING BARS SHALL BE WIRE-BRASSING
PAINTING OF STEEL
3.3. APPLY ONE COAT OF SOLT - DYEING
PRIMER AND TWO COATS OF INDUSTRIAL
ALUMINUM
3.4. ALL WELDS TO BE 6 mm ALL ROUND
CHORDING/FILLET THE 65
3.5. SPOTWELD ALL JOINTS AFTER
INSTALLATION OF STRUCTURE.
3.6. MINIMUM BEARING CAPACITY OF THE
SOL TO BE 50 N/MM²
3.7. ALL STEEL MEMBERSHIPS TO BE
ACCORDING TO SABS 88
3.8. COMPRESSIVE STRENGTH OF STEEL TO BE
CONFORME TO SABS 88
3.9. ALL STRUCTURAL STEEL TO 30mm
GRADE 250
3.10. THE SAME DIMENSIONS ARE
TO BE USED FOR THE 2 AND 3.4mm THICKNESS
USERS TO BE 1000X50X10mm
ALL CHANNELS TO BE 100X50X10mm

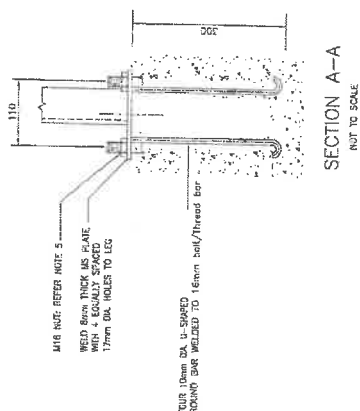
NO.	AMENDMENTS	DATE BY
7	VARIOUS CHANGES	6/8/01 LUN
8	VARIOUS CHANGES	3/29/04 RAA
9	CHARGED DETAIL A	5/8/01 KE
4	CHARGED FOUNDATION AND EROSION	5/8/01 KE
3	COMPLETELY REDESIGNED	5/28/01 ME

DEPARTMENT
OF
WATER AFFAIRS

NAMBIA

TYPE DRAWING

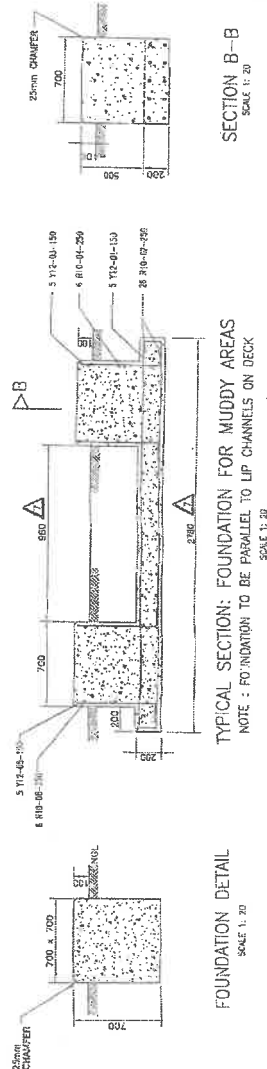
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DETAIL B: HOLD DOWN BRACKET AROUND TANK
(REFER DRW NO. 21/1- 4/36)
NOT TO SCALE



SECTION A-A
NOT TO SCALE

BASEPLATE



FOUNDATION DETAIL

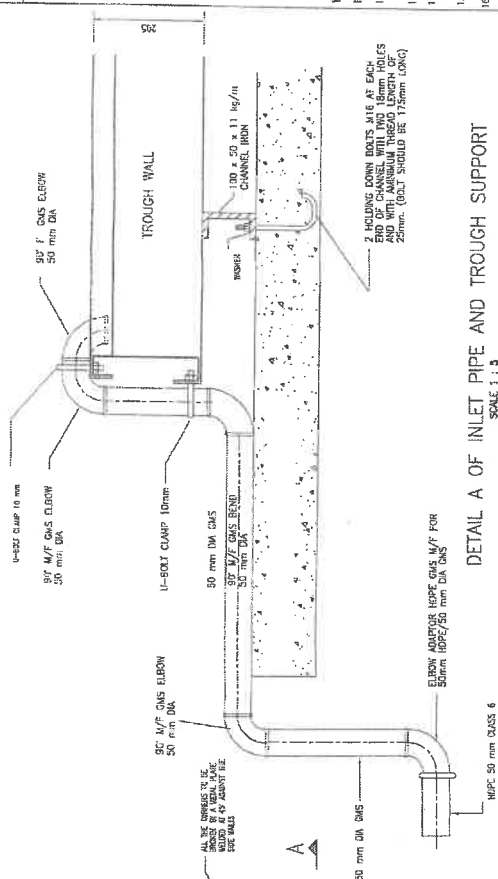
TYPICAL SECTION: FOUNDATION FOR MUDDY AREAS
NOTE : FOUNDATION TO BE PARALLEL TO LIP CHANNELS ON DECK

SECTION B-B
SCALE 1: 20

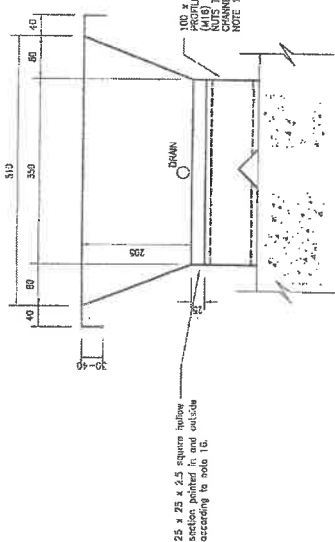
MEMBER	REPAIRS-COUNT			ROUND-COUNT						FIXING & NON-FIXED BRIDGING DETAILS	
	No. in Spank Box	Total	Bridge No.	A	B	C	D	E	F	G	
S&T FOUNDATION	10	Δ 112	51	5	8160	#C	140	2770			
S&T FOUNDATION	26	P 10	52	28	500		20	500			
S&T TOWER	5	V 12	53	10	750	37	410	150			
S&T FOUNDATION	8	P 10	54	6	600		20	600			
S&T FOUNDATION	5	V 12	55	70	750	37	610	150			
S&T	4	P 10	56	6	800		20	800			

NOTES :

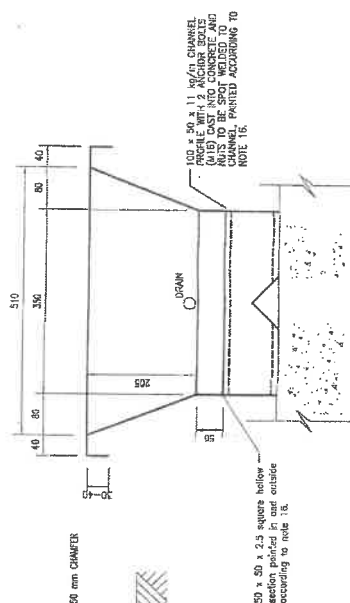
1. ALL STEELWORKS TO BE THOROUGHLY WIRE BRUSHED, CLEANED AND PAINTED WITH :
PRIMER : AS PER TENDER
COAT : 50 GRAMS CHROME PIGMENT PLUS TWO COATS OF
CONCRETE : FORT GLOSS ENAMEL PAINT, COLOUR BEIGE
2. EIA 40 TON SANDWICH (OR EQUIVALENT) DUPREXON VALVE
WITH METAL HANDWHEEL, TO BE POSITIONED AT THE
RESENER OR TANK OUTLETS.
3. CONCRETE GRADE 25
4. CHANNEL STEEL GRADE 300 W
5. HOLDING DOWN BOLTS : GRADE 4.3



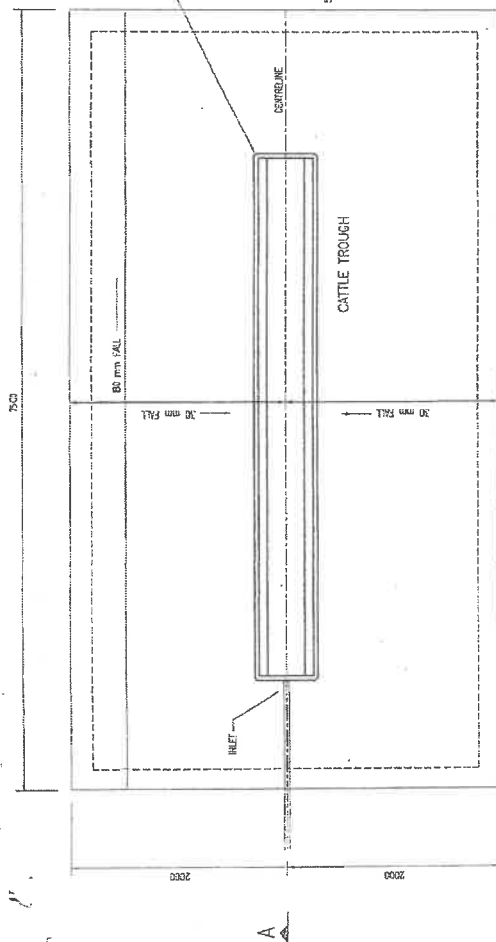
DETAIL A OF INLET PIPE AND TROUGH SUPPORT



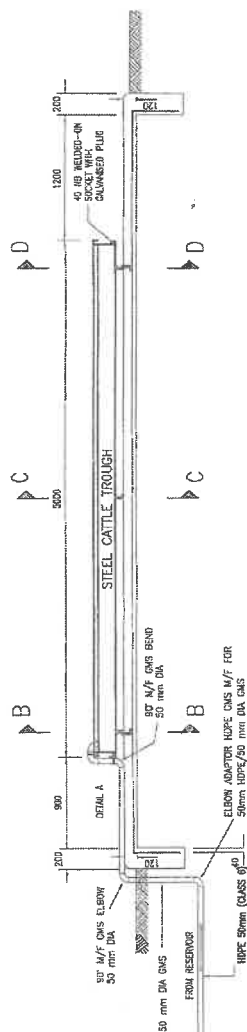
CROSS-SECTION C-C
SCALE 1:5



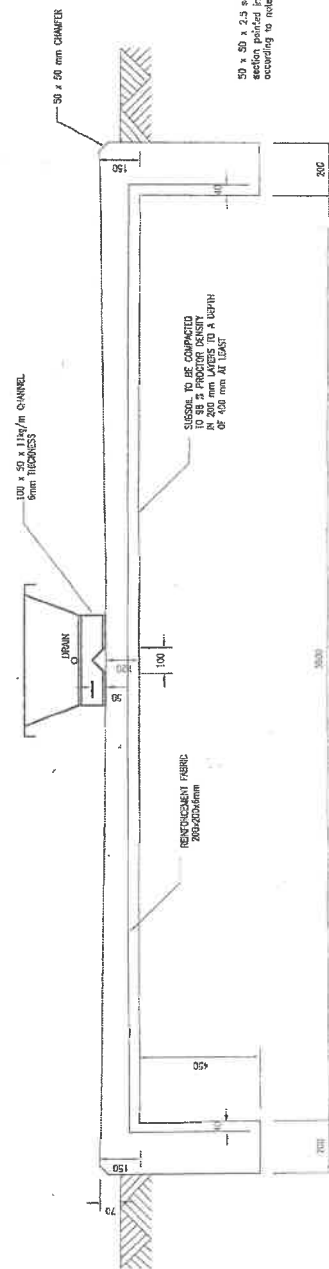
CROSS-SECTION D-D
SCALE 1 : 5



LAYOUT PLAN
SCALE 1 : 25



LONGITUDINAL SECTION A--A



TROUGH AND FOUNDATION SECTION B-B

2.	UNPATED VERSION	70	95
1.	CHANGE OF MOUNTING BLOCKS SPECIFICATION	3/95	S.K

DEPARTMENT
OF
WATER AFFAIRS
—
NAMIKA

TYPE DRAWING


STEEL ANIMAL TROUGH WITH SLAB

DESIGNED	DESIGNED	DEPUTY DIR. RMD
HAHN	TOLKE / DEBEN	CHAIRMAN TECH. COMMITTEE
KAPOLD	CHECKED	
KANED	CORER	DIRECTOR RNS

REGISTRATION NO. 21/1 - 4/42 R2

- NOTES :
1. USE 50mm ELBOWS FOR 90° BENDS. POSITIONED AT THE PERIPHERY OF TANK OUTLETS.
 2. CONCRETE GRADE: 25 MPa.
 3. HOLDING DOWN BRACKET: 10mm.
 4. TROUGH WILL BE INSTALLED HORIZONTALLY.
 5. SURVEY AND FIT BRACKETS FOR LOWER AND TOP.
 6. ALL GAS PIPING TO BE HEAVY DUTY.
 7. MINIMUM DISTANCE FROM RESERVOIR TO INLET UNLESS OTHERWISE SPECIFIED IN THE TENDER.
 8. ALL FITTINGS TO BE COMPRESSION FITTINGS.
 9. ALL CONCRETE TO BE MODULAR LIGHT FINISH.
 10. ALL PIPES WILL BE 50 mm HOPE CLASS 6 UNLESS OTHERWISE SPECIFIED.
 11. PIPES WILL BE LAD 100 mm MINIMUM UNDERGROUND.
 12. ALL CORNERS EDGES OF CONCRETE SLAB WILL BE CHAMFERED TO 50 x 50 mm.
 13. THE LONGITUDINAL FALL OF THE SLAB SHALL BE 80 mm IN TOTAL.
 14. ALL STEEL WORK TO BE PAINTED WITH TWO COATS WITH ZINC CHROMATE PRIMER AND INDUSTRIAL GRADE ENAMEL PAINT.
 15. CONCRETE COVER: 40mm.
 16. ALL WELDS TO BE FULFILLING.
 17. TROUGH TO BE ASSEMBLED USING 10mm RUST PROTECTED THREADED ROD AND NUTS. Δ

NO.		REVISION	DATE BY
1		WORKS CHANGED MARKED Δ	07/01/14

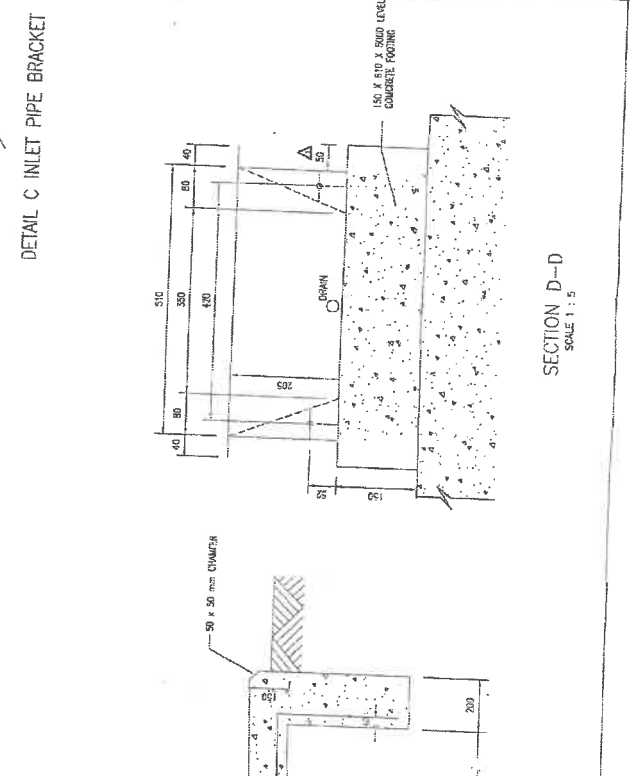
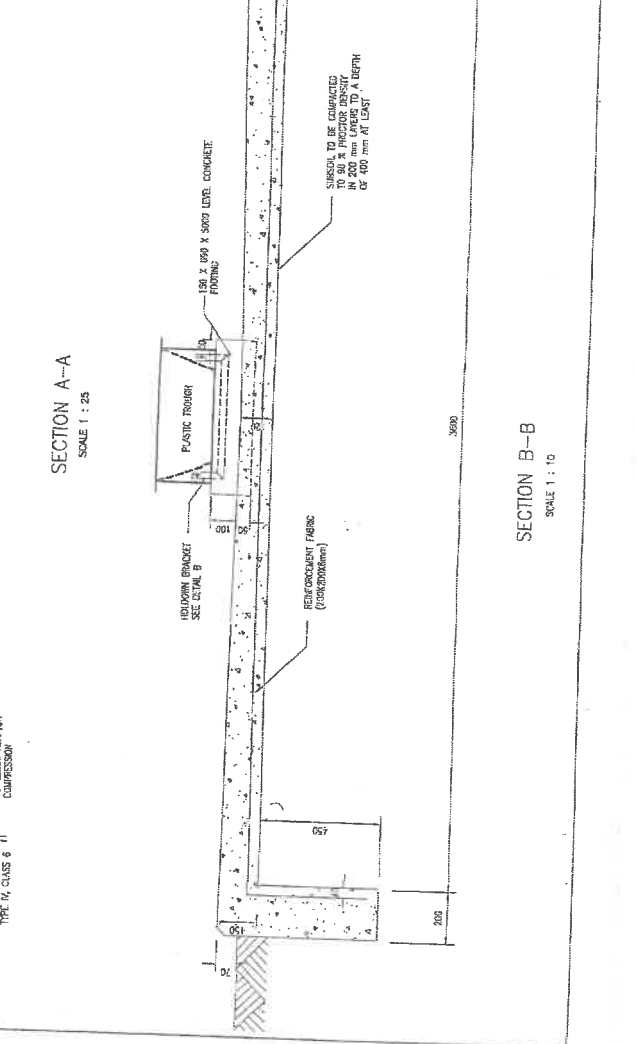
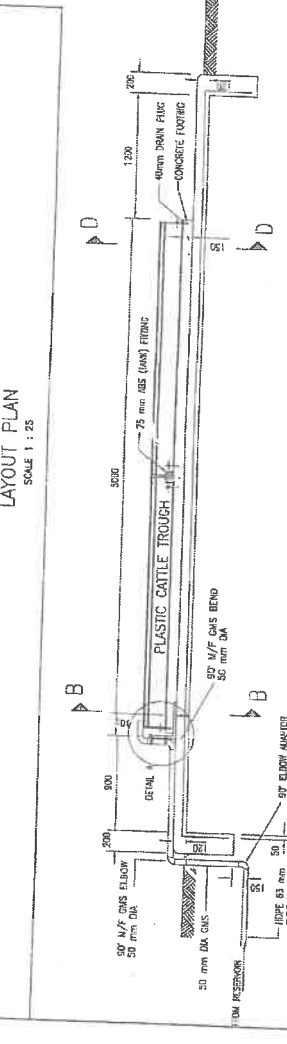
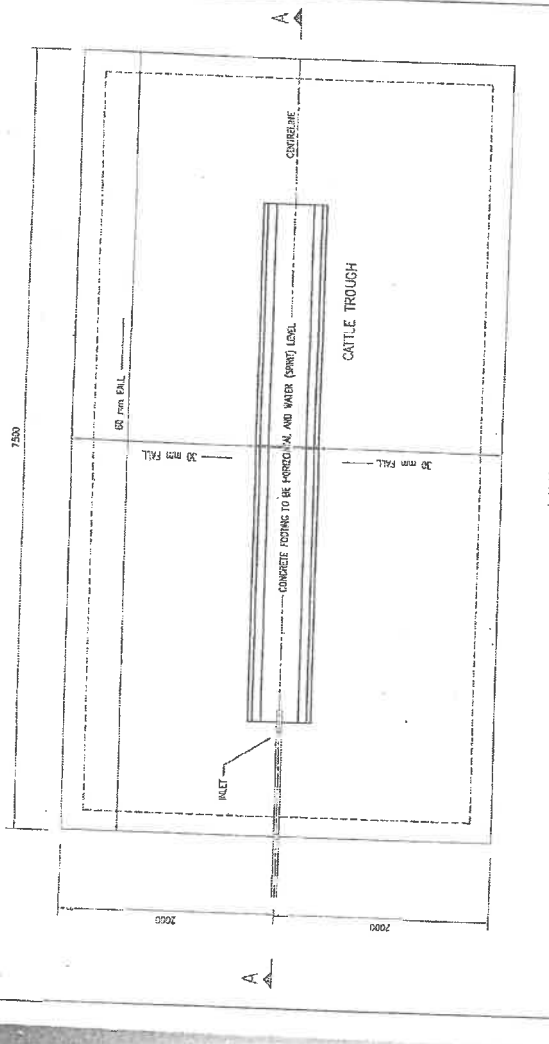
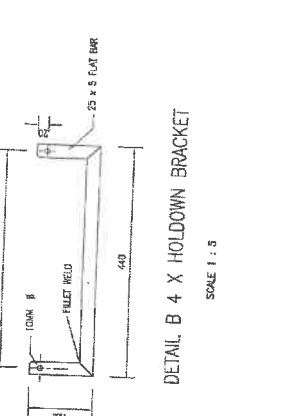
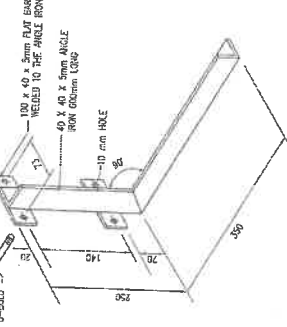
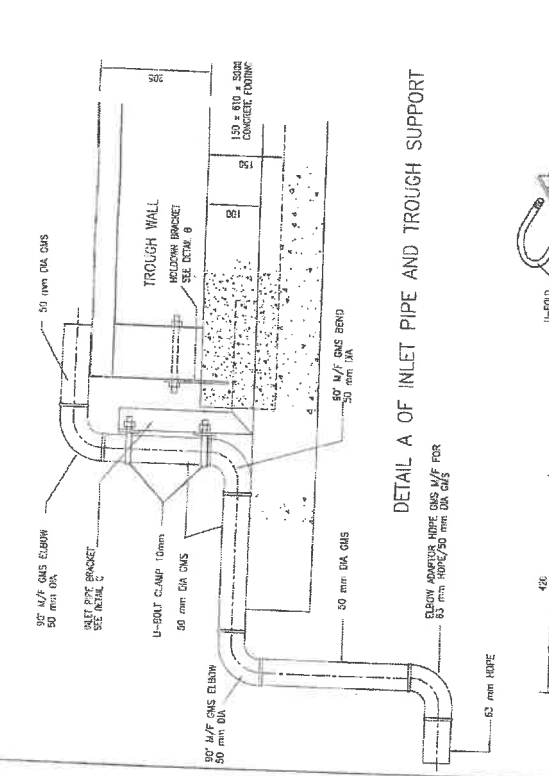


DEPARTMENT OF WATER AFFAIRS
NAMIBIA

TYPE DRAWING


DRAWING			
DESIGNED	BY	DATE	BY
CHECKED	DATE	BY	DATE
APPROVED	DATE	BY	DATE

UNDER SECRETARY FOR WATER AFFAIRS	
SCALE	SHEET NO.
1:1	1 OF 1
REGISTRATION NO. 21/1 - 4/67R2	




1. CONCRETE GRADE: 25
2. CONCRETE COVER : 30 mm.
3. CHAMFER TO BE 25 x25 mm
4. ALL HOPE FITTINGS TO BE COMPRESSION FITTINGS. TO SWS 553
5. ALL GNS PRESSURE TO BE MEDIUM DUTY AND ALL FITTINGS TO BE GALVANIZED CAST IRON
6. SINK PIT TO BE CONSTRUCTED NEXT TO SWS AS SHOWN, 1 x 1 x 0.6 m DEEP, FILLED WITH GRAVEL, GRAIN SIZE 18 mm
7. MINIMUM DEPTH OF PIPELINE TO BE 800 mm BELOW MGL, OR AS SPECIFIED IN TENDER

2.	VARIOUS CHANGES MARKED	DATE IN
1.	CHANGE OF THE SPECIFICATIONS	DATE IN
NO	AMENDMENT'S	DATE IN



**DEPARTMENT
OF
WATER AFFAIRS**



NAMIBIA

TYPE DRAWING

TAP STAND

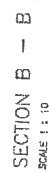
DRAWN	DESIGNED BY	QUANTITY	DATE
	TOLKE/ABGES		
SCALE	SCALE BY	CONTAINING SET NUMBER	
	B. DEGEER		
THICK	SPECTER PAGE		

UNDER SECRETARY FOR WATER AFFAIRS

SCALE

DATE

1/10/1980



: SALON

- 50 mm DIA. SUNKERS (BUSHINGS) BUILT INTO FLANGE AND/OR FLANGE ADJUSTER
- ALL GASKET FITTINGS TO BE GUNWAZED
- CAST IRON AND ALU. PIPES TO BE HEAVY DUTY
- FOUNDATION : GRADE 25 CONCRETE
- CONCRETE COVER: 30 mm
- REINFORCEMENT FOR FOUNDATIONS: 18 TO 20 mm DIA. TYPE C, CLASS 1, GRADE 1 TO SABS 101
- NEED FERRULUM FLAT W/AL BRASS GASKET
- IF A WOODEN SPACER TO THE BOTTOM END OF THE DIA PIPE, SO THAT THE GASK P/RE IS PARALLEL TO THE DARK WALL.
- ALL BOLT CONNECTIONS ARE W10 UNLESS

DETAIL G : STEEL STRAP
AROUND TANK : FIXING DETAIL

NOT TO SCALE

SECTION D-D
SCALE 1 : 10

SCALE 1 : 10

DETAIL C
SCALE 1/4" = 1'-0"

SCMF 1 • 28

DETAIL H
10 mm THICK FOUNDATION STEEL PLATE

SCALE 1 : 2.5

DETAIL F

SCALE 1 : 2.5

SECTION B-B

SECTION

ELEVATION OF WATER TOWER

SCALE 1 : 25

TYPE DRAWING

DEPARTMENT
OF
WATER AFFAIRS

1999

DRAWING
ELEVATED 10 m³ TANK : 6m HIGH;

SECTIONS & DETAIL

03/03/2011 09:50:53

E. GEIGER
WALSH CO., NEW YORK

14 MAY	CHECKED	TECHNICAL
--------	---------	-----------

TOLKE
B GEIGER
COMMITTEE

PLACED DIRECTOR RWS

1000

^a Values are reported before adjustment for age and sex.

University of Victoria, Box 1800 STN. CSC, Victoria, BC V8W 2Y2, Canada

UNITED STATES OF AMERICA
DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON, D. C.

AS SHOWN
↑ OF 1
Sheet No.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

13. All measurements are nett unless otherwise stated, and Bidders must allow in their rates for wastage.
14. All provisional sums shall be expended as directed by the Engineer and any balance remaining shall be deducted from the amount of the contract sum.